

Technical Data Sheet

Titanium(III) Oxide Granules / Pellets

Product ID: 220800GN001 / 220800PL001

Formular: Ti_2O_3

Molecular weight: 143.73 g/mol

CAS No.: 1344-54-3

EINECS No.: 215-697-9

Color: Dark purple

Description: Our titanium oxide granules have a purity of 99.9% and can be customized in various sizes according to requirements, offering excellent electrical conductivity, chemical stability, and high-temperature resistance, while also exhibiting semiconducting properties.

Application: Electrode materials, functional ceramics, catalyst supports, conductive coatings, and new energy devices.

**Product
Image:**



1. Sizes

Product ID	Formular	Size	Morphology
220800GN001	Ti_2O_3 (99.9%)	1 - 4 mm	Crystalline / Sintered
220800PL001	Ti_2O_3 (99.9%)	Ø 3 mm x 3 mm	Sintered
220800GNDZ	Ti_2O_3 (99.9%)	Customized	Crystalline / Sintered
220800PLDZ	Ti_2O_3 (99.9%)	Customized	Sintered

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)					
	Fe	Al	Cr	Si	Zn	Cu
99.9%	≤ 150	≤ 150	≤ 150	≤ 200	≤ 80	≤ 80

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Bottle/Bag.

Double vacuum packed.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear appropriate protective equipment to avoid dust generation and operate in a well-ventilated, dry environment.

Store in a cool, dry place, away from moisture and strong oxidizers.

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